

10/537836

Rec'd PCT/PTO 06 JUN 2005

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/GB 03/05147A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>"Digital cellular telecommunications system (Phase 2+);Mobile Station (MS) – Serving GPRS Support Node (SGSN);Subnetwork Dependent Convergence Protocol (SNDCP);(3GPP TS 44.065 version 4.2.0 Release 4), pages 1-49" ETSI TS 144 065 V4.2.0, 1 March 2002 (2002-03-01), pages 1-49, XP002277301 page 9, paragraph 4 page 17, paragraph 5.2 page 23, paragraph 6.3 page 35, paragraph 6.7 –page 36, paragraph 6.7.3 page 42, paragraph 6.9 page 44, paragraph 7; figures 1,2,4,13</p> <p style="text-align: center;">-/-</p>	1-32

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- "&" document member of the same patent family

Date of the actual completion of the international search 19 April 2004	Date of mailing of the international search report 04/05/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Fantacone, V

Form PCT/ISA/210 (second sheet) (January 2004)

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Int'l	Application No
PCT/GB 03/05147	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Relevant to claim No.	
A	WO 01/54338 A (NOKIA MOBILE PHONES LTD ;NOKIA INC (US)) 26 July 2001 (2001-07-26) abstract page 13, line 18 -page 22, line 33; figure 6 _____	1-32
A	"Digital cellular telecommunications system (Phase 2+);Mobile Station - Serving GPRS Support Node (MS-SGSN);Logical Link Control (LLC) Layer Specification;(3GPP TS 44.064 version 5.1.0 Release 5);pages 1-63" ETSI TS 144 064 V5.1.0, 1 March 2002 (2002-03-01), pages 1-63, XP002277302 the whole document _____	1-32
A	US 6 385 451 B1 (TURUNEN MATTI ET AL) 7 May 2002 (2002-05-07) the whole document _____	1-32
A	US 2002/105940 A1 (FORSSELL MIKA ET AL) 8 August 2002 (2002-08-08) the whole document _____	1-32
A	ZHOU L ET AL: "Effect of TCP/LLC protocol interaction in GPRS networks" COMPUTER COMMUNICATIONS, ELSEVIER SCIENCE PUBLISHERS BV, AMSTERDAM, NL, vol. 25, no. 5, 15 March 2002 (2002-03-15), pages 501-506, XP004332674 ISSN: 0140-3664 the whole document _____	1-32

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB 03/05147

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0154338	A	26-07-2001		AU 2390701 A BR 0107756 A CA 2396592 A1 EP 1249094 A1 WO 0154338 A1 JP 2003521150 T	31-07-2001 12-11-2002 26-07-2001 16-10-2002 26-07-2001 08-07-2003
US 6385451	B1	07-05-2002		FI 981979 A AU 5625799 A CN 1123271 B EP 1114564 A1 WO 0016577 A1 JP 3433186 B2 JP 2002525935 T	15-03-2000 03-04-2000 01-10-2003 11-07-2001 23-03-2000 04-08-2003 13-08-2002
US 2002105940	A1	08-08-2002		FI 20001469 A AU 6610401 A BR 0106750 A CA 2381250 A1 CN 1389051 T EP 1290838 A1 WO 0199353 A1 JP 2004501569 T	21-12-2001 02-01-2002 16-04-2002 27-12-2001 01-01-2003 12-03-2003 27-12-2001 15-01-2004